Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/20/2017 11:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124747	-1	1.64	124629	1.59
Blue	F	SSC	125000	124354	-1	3.16	124644	2.93
Blue	E	FITC	21625	21028	-3	2.51	937	10.28
Blue	D	PE	26832	26461	-2	2.07	950	9.51
Blue	B	PerCP-Cy5-5	48027	47493	-2	3.41	1361	16.60
Blue	A	PE-Cy7	40971	40558	-2	5.05	627	34.48
Red	C	APC	49746	49431	-1	2.85	2846	9.24
Red	A	APC-Cy7	53615	52835	-2	2.90	1095	11.31
Violet	B	V450	14488	14045	-4	5.34	671	9.76
Violet	A	V500	55123	53769	-3	5.16	2380	7.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19340	4.73	604	6	N/A	N/A	Pass
Blue	F	SSC	61931	1.47	534	0	N/A	N/A	Pass
Blue	E	FITC	104	39.41	533	-3	0.0208	182	Pass
Blue	D	PE	209	28.15	529	-2	0.1725	246	Pass
Blue	B	PerCP-Cy5-5	217	43.39	626	-3	0.0105	87	Pass
Blue	A	PE-Cy7	68	114.05	676	-5	0.0126	13	Pass
Red	C	APC	330	26.68	588	-6	0.0216	48	Pass
Red	A	APC-Cy7	119	41.34	571	-9	0.0055	1707	Pass
Violet	B	V450	82	42.36	464	-7	0.0445	1831	Pass
Violet	A	V500	175	23.69	489	-7	0.0133	409	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-31.01	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	16.65	13.27 - 19.91	N/A	N/A	30.63	31.49	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14233

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments